

IN THE CLAIMS:

Please AMEND claims 1-48; and

Please ADD claim 49, as shown below.

1. (Currently Amended) A method ~~for compressing a stream arriving at a compressor,~~ comprising:

acquiring a pattern at ~~the~~a compressor by determining a function of one attribute in relation to another attribute according to a stream that is arriving at the compressor;

making sure a decompressor is synchronized with the compressor according to the pattern; and

sending a compressed packet according to the pattern.

2. (Currently Amended) The method ~~for compressing~~ of claim 1, wherein the stream is an RTPreal time transport protocol packet stream and the pattern comprises a TStamp function, a Marker bit function, a quotient, and a TStamp increment, said step of making sure comprising:

sending the pattern.

3. (Currently Amended) The method of claim 2, wherein the step of making sure further comprises receiving an indication having a marker bit set.

4. (Currently Amended) The method of claim 1, wherein the ~~step of~~ making sure further comprises:

receiving a first ack; and

receiving a second ack.

5. (Currently Amended) The method of claim 1, wherein the ~~step of~~ making sure further comprises pattern detecting at least two packets.

6. (Currently Amended) The method of claim 5, wherein the ~~step of~~ pattern detecting comprises acknowledging the at least two packets.

7. (Currently Amended) The method of claim 6, wherein the acknowledging the at least two packets comprises acknowledging a first packet and acknowledging a second packet and, the steps prior to the pattern detecting the method further comprises:

receiving a first acknowledgement having at least the first packet; and

receiving a second acknowledgement having at least the second packet.

8. (Currently Amended) The method of claim 1, wherein the stream comprises a first packet having a first sequence number and a first Marker bit, said stream

comprising a second packet having a second sequence number and a second Mmarker bit, the method further comprises:

acquiring the first packet and the second packet; and

detecting that the second sequence number is one more than the first sequence number and that the first Mmarker bit and the second Mmarker bit are set.

9. (Currently Amended) The method of claim 8, wherein the stream is an RTPreal time transport protocol packet stream and the pattern comprises a TStamp function, a Mmarker bit function, a quotient and a TStamp increment, and wherein said step of making sure comprisinges: sending the pattern.

10. (Currently Amended) The method of claim 1, wherein the media stream further comprises a first packet having a first sequence number and a first Mmarker bit, said stream comprising a second packet having a second sequence number, a second TStamp and a second Mmarker bit, a third packet said third packet having a third TStamp and a third Mmarker bit, and wherein the method further comprises:

storing the first packet, and the second packet, and the third packet;

detecting that the second sequence number is one more than the first sequence number;

detecting that the third TStamp is the same as the second TStamp; and

detecting that the third Mmarker bit is the same as the first Mmarker bit.

11. (Currently Amended) The method of claim 10, wherein the stream is an RTPreal time transport protocol packet stream and the pattern comprises a TStamp function, a Mmarker bit function, a quotient and a TStamp increment, and wherein said step of making sure comprising:es sending the pattern.

12. (Currently Amended) The method for compressing of claim 1, further comprising:

acquiring the pattern at the decompressor.

13. (Currently Amended) The method for compressing of claim 2, wherein the step of sending the pattern further comprises explicitly sending the pattern from the compressor to the decompressor.

14. (Currently Amended) The method for compressing of claim 21, wherein the stream is an RTPreal time transport protocol packet stream and the pattern comprises a TStamp function expressed as a staircase function of the packet SNserial number, the staircase function having at least one staircase step, and a Mmarker bit function, and wherein said step of making sure comprising:comprises sending the pattern.

15. (Currently Amended) The method for compressing of claim 21, wherein the stream is an RTPreal time transport protocol packet stream and the pattern comprises a TStamp function expressed as a staircase function of the packet SNserial number, the staircase function having at least one staircase step, and a Mmarker bit function wherein the Mmarker bit is set for a last packet of the staircase step, and wherein said step of making sure comprising:comprises sending the pattern.

16. (Currently Amended) The method for compressing of claim 15, wherein further comprising:

setting the Mmarker bit is set only for the last packet of the staircase step.

17. (Currently Amended) The method of claim 16, wherein the step of making sure further comprises receiving an indication having a marker bit set.

18. (Currently Amended) The method of claim 16, wherein the step of making sure further comprises:

receiving a first ack; and

receiving a second ack.

19. (Currently Amended) The method of claim 16, wherein the step of making sure further comprises pattern detecting at least two packets.

20. (Currently Amended) The method of claim 19, wherein the step of pattern detecting comprises acknowledging the at least two packets.

21. (Currently Amended) The method of claim 19, wherein the at least two packets comprise a first packet and a second packet and, the steps prior to the pattern detecting the method comprises:

receiving a first acknowledgement having at least the first packet; and

receiving a second acknowledgement having at least the second packet.

22. (Currently Amended) The method of claim 16, wherein the RTPreal time transport protocol packet stream comprises a first packet having a first sequence number and a first Mmarker bit, said stream comprising a second packet having a second sequence number and a second Mmarker bit, and wherein the method further comprises:

acquiring the first packet and the second packet; and

detecting that the second sequence number is one more than the first sequence number and that the first Mmarker bit and the second Mmarker bit are set.

23. (Currently Amended) The method of claim 22, wherein the pattern comprises a TStime stamp function, a Mmarker bit function, a quotient and a TStime stamp

increment, and wherein said step of making sure comprising: comprises sending the pattern.

24. (Currently Amended) The method ~~for compressing~~ of claim 16, wherein the step of sending the pattern further comprises explicitly sending the pattern from the compressor to the decompressor.

25. (Currently Amended) A compressor ~~for compressing a stream,~~ comprising:
an acquisition unit configured to acquire means for acquiring a pattern at the ~~a~~ compressor by determining a function of one attribute in relation to another attribute according to a stream that is configured to arrive at the compressor;
an ensurer unit configured to make means for making sure a decompressor is synchronized with the compressor according to the pattern; and
a means for sending ~~sender unit configured to send~~ a compressed packet according to the pattern.

26. (Currently Amended) The compressor ~~for compressing~~ of claim 25, wherein the stream is an RTPreal time transport protocol packet stream and the pattern comprises a TStamp function, a Marker bit function, a quotient, and a TStamp increment, and said means for making sure comprising: a means for sending wherein said acquisition unit is configured to send the pattern.

27. (Currently Amended) The compressor of claim 26, wherein the ~~means for making sure ensurer unit is configured to further comprises a means for receiving receive~~ an indication having a marker bit set.

28. (Currently Amended) The compressor of claim 25, wherein the ~~means for making sure ensurer unit is configured to further comprises: a means for receiving receive a first ack; and receiving receive a second ack.~~

29. (Currently Amended) The compressor of claim 25, wherein the ~~means for making sure ensurer unit further comprises a pattern detection unit configured to perform means for pattern detecting detection on at least two packets.~~

30. (Currently Amended) The compressor of claim 29, wherein the ~~means for pattern detecting detection unit comprises a means for acknowledging is configured to acknowledge the at least two packets.~~

31. (Currently Amended) The compressor of claim 30, wherein the at least two packets comprise a first packet and a second packet, ~~and wherein the compressor further comprises:~~

~~a receiver unit configured to a means for receiving receive a first acknowledgement having at least the first packet; and a means for receiving configured to receive a second acknowledgement having at least the second packet.~~

32. (Currently Amended) The compressor of claim 25, wherein the stream comprises a first packet having a first sequence number and a first ~~M~~marker bit, said stream comprising a second packet having a second sequence number and a second ~~M~~marker bit, and wherein the compressor further comprises:

an acquisition unit configured to acquire means for acquiring the first packet and the second packet; and

a detection unit configured means for detecting to detect that the second sequence number is one more than the first sequence number and that the first ~~M~~marker bit and the second ~~M~~marker bit are set.

33. (Currently Amended) The compressor of claim 32, wherein the stream is an RTP~~real time transport protocol~~ packet stream and the pattern comprises a ~~T~~Stime stamp function, a ~~M~~marker bit function, a quotient, and a ~~T~~Stime stamp increment, ~~said means for making sure comprising: a means for sending~~ wherein the ensurer unit is configured to send the pattern.

34. (Currently Amended) The compressor of claim 25, wherein the media stream further comprises a first packet having a first sequence number and a first Marker bit, said stream comprising a second packet having a second sequence number, a second TStime stamp and a second Marker bit, a third packet said third packet having a third TStime stamp and a third Marker bit, wherein the compressor further comprises:

~~a means for storing a storage unit configured to store the first packet, and the second packet, and the third packet; and~~

a detection unit configured to a means for detecting that the second sequence number is one more than the first sequence number;, to detect a means for detecting that the third TStamp is the same as the second TStamp, and ~~a means for detecting to detect that the third MMarker bit is the same as the first MMarker bit.~~

35. (Currently Amended) The compressor of claim 34, wherein the stream is an RTPreal time transport protocol packet stream and the pattern comprises a TStime stamp function, a Marker bit function, a quotient, and a TStime stamp increment, and wherein said means for making sure comprising: a means for sending ensurer unit is configured to send the pattern.

36. (Currently Amended) The compressor ~~for compressing~~ of claim 25, further comprising:

~~a means for acquiring an acquisition unit configured to acquire the pattern at the decompressor.~~

37. (Currently Amended) The compressor ~~for compressing~~ of claim 26, wherein the ~~means for sending the pattern further comprises a means for sender unit is configured to explicitly sending~~ the pattern from the compressor to the decompressor.

38. (Currently Amended) The compressor ~~for compressing~~ of claim 25, wherein the stream is an ~~RTP~~real time transport protocol packet stream and the pattern comprises a ~~TStamp~~ function expressed as a staircase function of the packet ~~SN~~serial number, the staircase function having at least one staircase step, and a ~~M~~marker bit function, said ~~means for making sure comprising: a means for sending~~ wherein said ~~ensurer unit is configured to send~~ the pattern.

39. (Currently Amended) The compressor ~~for compressing~~ of claim 25, wherein the stream is an ~~RTP~~real time transport protocol packet stream and the pattern comprises a ~~TStamp~~ function expressed as a staircase function of the packet ~~SN~~serial number, the staircase function having at least one staircase step, and a ~~M~~marker bit function wherein the ~~M~~marker bit is set for a last packet of the staircase step, ~~wherein said ensurer unit is configured to send~~ ~~means for making sure comprising: means for sending~~ the pattern.

40. (Currently Amended) The compressor ~~for compressing~~ of claim 39, wherein the ~~M~~marker bit is configured to be set only for the last packet of the staircase step.

41. (Currently Amended) The compressor of claim 40, wherein the ~~means for making sure ensurer unit is configured to further comprises a means for receiving receive~~ an indication having a marker bit set.

42. (Currently Amended) The compressor of claim 40, wherein the ~~means for making sure further comprises: a means for receiving ensurer unit is configured to receive a first ack; and a means for receiving a second ack.~~

43. (Currently Amended) The compressor of claim 40, wherein the ~~means for making sure ensurer unit further comprises a means-pattern detection unit configured to perform for pattern detecting detection on at least two packets.~~

44. (Currently Amended) The compressor of claim 43, wherein the ~~means for pattern detecting detection unit comprises a means for acknowledging is configured to acknowledge the at least two packets.~~

45. (Currently Amended) The compressor of claim 43, wherein the at least two packets comprise a first packet and a second packet, and wherein the compressor further comprises:

a receiver unit configured to receive ~~means for receiving~~ a first acknowledgement having at least the first packet; and configured to receive ~~a means for receiving~~ a second acknowledgement having at least the second packet.

46. (Currently Amended) The compressor of claim 40, wherein the RTPreal time transport protocol packet stream comprises a first packet having a first sequence number and a first Mmarker bit, said stream comprising a second packet having a second sequence number and a second Mmarker bit, and wherein the compressor further comprises:

an means for acquisition unit configured to ~~acquiring~~ acquire the first packet and the second packet; and

a means for detecting ~~detection~~ unit configured to detect that the second sequence number is one more than the first sequence number and that the first Mmarker bit and the second Mmarker bit are set.

47. (Currently Amended) The compressor of claim 46, wherein the pattern comprises a TStamp function, a Mmarker bit functions a quotient and a TStamp

~~stamp increment, said means for making sure comprising: a means for sending and wherein the ensurer unit is configured to send~~ the pattern.

48. (Currently Amended) The compressor ~~for compressing~~ of claim 40, wherein the ~~means for sending the pattern further comprises a means for sender unit is configured to~~ explicitly sending the pattern from the compressor to the decompressor.

49. (New) A compressor, comprising:
acquisition means for acquiring a pattern at a compressor by determining a function of one attribute in relation to another attribute according to a stream that is configured to arrive at the compressor;
ensurer means for making sure a decompressor is synchronized with the compressor according to the pattern; and
sender means for sending a compressed packet according to the pattern.